

CLAIMS

- 1 1. A method for synchronizing a client having a client database with a server having a
2 server database, the method comprising:
3 calculating a document score for each of a plurality of documents in the server database,
4 the document score designating an importance of the document to the client; and
5 transmitting one of the documents in the server database to the client based on a
6 respective document score.
- 1 2. The method of claim 1 wherein the transmitting comprises transmitting the one of the
2 documents in the server database to the client if the respective document score exceeds a
3 threshold value.
- 1 3. The method of claim 2 further comprising determining the threshold value based on a
2 data storage capacity of the client.
- 1 4. The method of claim 1 wherein the calculating a document score for one of the
2 documents is determined from at least one of a time of creation of the document, a number of
3 times the document has been read, a time of last access of the document, an author of the
4 document and a term in the document.
- 1 5. The method of claim 1 wherein the calculating a document score is determined from a
2 relationship between the document and another of the documents in the server database.
- 1 6. The method of claim 1 wherein the transmitting comprises transmitting one of the
2 documents in the server database to the client based on the respective document score if the one
3 of the documents is not stored in the client database.
- 1 7. The method of claim 1 further comprising:

2 determining if the client database includes a newly created document; and
3 transmitting the newly created document to the server.

1 8. The method of claim 7 further comprising assigning a document score having a
2 maximum value to the newly created document.

1 9. The method of claim 1 further comprising:
2 determining if the client database includes a modified document; and
3 transmitting the modified document to the server.

1 10. The method of claim 9 further comprising assigning a document score having a
2 maximum value to the modified document.

1 11. The method of claim 1 wherein the client database includes a plurality of client
2 documents, the method further comprising designating for deletion one of the client documents
3 based on a document score of a complementary document in the server database.

1 12. The method of claim 1 wherein the client database includes a plurality of client
2 documents, the method further comprising removing one of the client documents from the client
3 database based on a document score of a complementary document in the server database.

1 13. The method of claim 9 further comprising resolving a conflict between the modified
2 document in the client database and a modified document in the server database.

1 14. The method of claim 11 further comprising removing the designation for deletion based
2 on a document score of the complementary document in the server database.

1 15. The method of claim 11 further comprising increasing a data storage capacity of the
2 client by deleting the one of the client documents designated for deletion.

1 16. A computer program product for use with a computer system having a server with a
2 server database, the server database storing a plurality of documents accessible to a client, the
3 computer program product comprising a computer useable medium having embodied therein
4 program code comprising:

5 program code for calculating a document score for each of the documents, the document
6 score designating an importance of the document to a client; and

7 program code for transmitting one of the documents in the server database to the client
8 based on a respective document score.

1 17. The computer program product of claim 16 wherein the program code embodied in the
2 computer useable medium further comprises program code for determining a threshold value, the
3 one of the documents in the server database being transmitted to the client if the respective
4 document score exceeds the threshold value.

1 18. The computer program product of claim 16 wherein the determination of the threshold
2 value is based on a data storage capacity of the client.

1 19. The computer program product of claim 16 wherein the calculating a document score for
2 one of the documents is determined from at least one of a time of creation of the document, a
3 number of times the document has been read, a time of last access of the document, an author of
4 the document and a term in the document.

1 20. The computer program product of claim 16 wherein the calculating a document score is
2 determined from a relationship between the document and another of the documents in the server
3 database.

1 21. A computer data signal embodied in a carrier wave for use with a computer system
2 having a server with a server database, the server database storing a plurality of documents
3 accessible to a client, the computer data signal comprising:

4 program code for calculating a document score for each of the documents, the document
5 score designating an importance of the document to a client; and

6 program code for transmitting one of the documents in the server database to the client
7 based on the document score.

1 22. The computer data signal of claim 21 further comprising program code for determining a
2 threshold value, the one of the documents in the server database being transmitted to the client if
3 the respective document score exceeds the threshold value.

1 23. The computer data signal of claim 21 wherein the determination of the threshold value is
2 based on a data storage capacity of the client.

1 24. The computer data signal of claim 21 wherein the calculating a document score for one of
2 the documents is determined from at least one of a time of creation of the document, a number of
3 times the document has been read, a time of last access of the document, an author of the
4 document and a term in the document.

1 25. The computer data signal of claim 21 wherein the calculating a document score is
2 determined from a relationship between the document and another of the documents in the server
3 database.

1 26. An apparatus for synchronizing a client having a client database with a server having a
2 server database, the apparatus comprising:

3 means for calculating a document score for each of a plurality of documents in the server
4 database, the document score designating an importance of the document to the client; and

5 means for transmitting one of the documents in the server database to the client based on
6 a respective document score.

1 27. The apparatus of claim 26 further comprising means for determining a threshold value,
2 the one of the documents in the server database being transmitted to the client if the respective
3 document score exceeds the threshold value.